

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 03/02527

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60B7/01 B60B7/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 44 32 132 A (BBS KRAFTFAHRZEUGTECHNIK) 14 March 1996 (1996-03-14) claims; figures	1-3
X,P	WO 02 100659 A (O Z S P A ; BERNONI CLAUDIO (IT)) 19 December 2002 (2002-12-19) abstract; figures	1
X	WO 00 06397 A (KOSEI ALUMINUM CO LTD ; KAMIYA SHUNKICHI (JP)) 10 February 2000 (2000-02-10) abstract; figures	1
A	US 4 427 238 A (CONNELL JAMES) 24 January 1984 (1984-01-24) abstract; figures	1

-/-



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

26 September 2003

Date of mailing of the international search report

20/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Vanneste, M.

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 93 07012 A (HEYKING GMBH) 15 April 1993 (1993-04-15) -----	
A	US 5 967 212 A (HAMEED HAFEEZ) 19 October 1999 (1999-10-19) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 03/02527

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 4432132	A	14-03-1996	DE 4432132 A1	14-03-1996
			AT 180215 T	15-06-1999
			CA 2199138 A1	14-03-1996
			DE 59505978 D1	24-06-1999
			WO 9607554 A1	14-03-1996
			EP 0775059 A1	28-05-1997
			ES 2132623 T3	16-08-1999
			FI 970982 A	07-03-1997
			JP 10505039 T	19-05-1998
			JP 3307398 B2	24-07-2002
			NO 971056 A	07-03-1997
WO 02100659	A	19-12-2002	IT B020010372 A1	12-12-2002
			WO 02100659 A2	19-12-2002
WO 0006397	A	10-02-2000	WO 0006397 A1	10-02-2000
			TW 403704 B	01-09-2000
US 4427238	A	24-01-1984	US 4328997 A	11-05-1982
			AU 6317280 A	30-04-1981
			DE 3039254 A1	07-05-1981
			FR 2467710 A1	30-04-1981
			GB 2060517 A	07-05-1981
			GB 2098554 A	24-11-1982
			GB 2107260 A	27-04-1983
			IT 1128332 B	28-05-1986
			JP 56099801 A	11-08-1981
WO 9307012	A	15-04-1993	DE 4136944 A1	15-04-1993
			AU 2594892 A	03-05-1993
			DE 4293109 D2	27-06-1996
			WO 9307012 A2	15-04-1993
			EP 0562070 A1	29-09-1993
US 5967212	A	19-10-1999	NONE	